Original/Duplicate/Triplicate

P.W.G. 17 — 1st and final bill — **CONTRACT CERTIFICATE** — Reference paras 158 & 170

No 6

Division **Yelahanka** — Sub division **Yelahanka New Town** — Date

Bills received No — Date 06.01.18 — Sub-divisional — Cash book vr No

Scheduled Docket No — Divisional — Date

YNK-DBR No. 56

Head of account P-3106

Name of work(as per sanctioned estimate) :-

Work code:003-16-000032

NAME OF WORK : **Improvements to roads and drains at Attur village Attur layout Santhoshnagara Muneshwara Nagara in ward no 03**

Name of contractor and full address :- **M/S SMLP ASPHALT**

Reference to agreement No :- 19 — **Estimated cost :200.00** — W.O.dated:19/16-17, dt:26/12/2016

Certified that the measurments were taken by me on 14/12/17 and recorded on pages 1148os -1148/4 to of measurment book No 1149 and the work is satisfactorily executed by the contractor.

Signature of contractor — Assistant Engineer

Certified that the measurments were taken by me on 14/12/17 and recorded correct.The work is satisfactorily executed.
Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon.A formal agreement signed and executed by the contractor is recorded in divisional office.

Sub-divisional Officer

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

II MEMORANDUM OF PAYMENT

1) Total value of work done or supplies as per A/c within		
2) Deduct amount to be held in reserve being-----percent Rs----------%--------		
3) Balance---	1st and Final	18473132=00
4) Deduct payments		
a) Amount of previous payment as in divisional/sub divisional cash book vr No----------dated----------S.D No----------Amount adjusted towards cash advance recovery of	FID	—
	CGST	—
	SGST	—
b) Cost of payments/stores or other materials supplied now made recovery of	IT	369462=00
	LC	184732=00
Amount paid on this bill by cheque/cash	CBF	18473=00
	Royalty	19545=00
Total	T.D	768117=00
5). Balance being unpaid value of work done held in reserve		
6) Deduct cash of advance made on divisional/sub divisional cash book		
7) Net amount due to or from contractor.	Net	17705015=00
UN ADJUSTED ITEMS		
8) Advance to contractor for materials to site(as detailed within)		
9) Value of government materials supplied.		
TOTAL AMOUNT UN-ADJUSTED		

Contractor's signatures

Received Rs----------(in words)----------

For use in the Executive Engineer's office----------

of payment as per memorandum
(in final settlement of all demand)

Witness
1)
2)

Dated signature of contractor
paid by me cheque No dated

Cash Rs

Date — Initials of officer making payment — Date

FOR SMLP Asphalt
Proprietor

Reciept Stamp

Audited & Admitted for Rs. 18473132=00

17705015 by Cheque

and Rs. 768117=00 by adjustment

Executive Engineer

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
1	Removing B.S slab of drain and stacking (P.No 25 I.No 5.32)	Sqm			3642.6 ~~3612.36~~	50.00	182130 ~~180618.00~~	3642.6 ~~3612.36~~	182130 ~~180618.00~~
2	Removing stone slabs of drains and pointing in CM (1:3)	Sqm			3341.15 ~~3341.97~~	70.00	233880 ~~233937.90~~	3341.15 ~~3341.97~~	233880 ~~233937.90~~
3	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete do 7.5 cms thick(P.No 25 I.No 5.31.1)	Sqm			92.10	650.00	59865.00	92.10	59865.00
4	Providing precast slab of 100 mm thik incldluing cost of materials, labour curing, transporation loading, unloading etc., complete as per the direction of Engineer in charges Data Rate	Sqm			214.38 ~~214.43~~	1550.00	332289 ~~332366.50~~	214.38 ~~214.43~~	332289 ~~332366.50~~
5	KSRRB 300-1,Earth work excavation by manual means in ordinary soil involving an average horizontal throw up to 2 meters and an average lift uo to 1.5m,excavated surface levelled and sides neatly dresssed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no141, PWD SR	Cum			1451.42 ~~1451.60~~	160.00	232227 ~~232256.00~~	1451.42 ~~1451.60~~	232227 ~~232256.00~~
6	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220 kgs with 40mm and down size graded granite metal course aggregates @ 0.892 cum and fine aggregates @ 0.462 cum machine mixed concrete laid in layers not exeeceding 15 cms thick well compacted in faoudnatio including cost all materials labour HOM of	Cum			1.05	5000.00	5250.00	1.05	5250.00

Sl. No.	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
7	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	Cum			5.46	3800.00	20748.00	5.46	20748.00
8	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing	Sqm			9.10	100.00	910.00	9.10	910.00
9	KSRB 4-1.6: Providing and laying in position plain cement concrete of nominal mix 1:2:4 using 20mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2	Sqm			0.84	5500.00	4620.00	0.84	4620.00
10	Providing precast slab of 250 mm thick incldluing cost of materials labour curing transporation loaidng unloaidng etc.., complete as per the direction of	Sqm			10.50	5000.00	52500.00	10.50	52500.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
11	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location within all lifts and lead upto 1000m complete as per specifications. MORTH Specification No 301	Cum			~~5849.77~~ 5852.60	130.00	~~760470~~ 760838.00	~~5849.77~~ ~~5852.60~~	~~760470~~ ~~760838.00~~
12	Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications. specification. No. KBS 2.10.2	Cum			~~1291.75~~ 1292.50	950.00	~~1227162~~ 1227875.00	1292.50	~~1227162~~ ~~1227875.00~~
13	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH Chapter 3	Cum			~~12203.45~~ 12716.50	4.00	~~48813~~ ~~50866.00~~	12716.50	~~48813~~ ~~50866.00~~
14	Per specification A plant mix method close gradedgranular sub base materilas as per 400-1 for Grading-II materials (Page No 154 I.No 20..2of)	Cum			~~107.83~~ 107.88	1500.00	~~161745~~ ~~161820.00~~	107.88	~~161745~~ ~~161820.00~~

Sl. No.	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
15	KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting withvibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406	Cum			3814.30	1700.00	6484310.00	3814.30	6484310.00
16	KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No.	Sqm			12203.30	20.00	244066.00	12203.30	244066.00
17	KSRRB 500-7. Providing and applying tack coat on the prepared black topped surfaces at 5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5	Sqm			12203.30	10.00	122033.00	12203.30	122033.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
18	KSRRB M500- 15. Providing, laying and rolling with vibratory roller of built-up spray grout layer over prepared base consisting of a two layer composite construction of compacted crushed coarse aggregates using motor grader for aggregates. Key stone chips spreader may be used with application of bituminous binder after each layer, and with key aggregates placed on top of the second layer to serve as a base conforming to the line, grades and cross-section specified, the compacted layer thickness being 75mm complete as per specifications. MORTH Specification No. 506	Cum			610.17	6300.00	3844071.00	610.17	3844071.00
19	KSRRB M500- 15. Providing, laying and rolling with vibratory roller of built-up spray grout layer over prepared base consisting of a two layer composite construction of compacted crushed coarse aggregates using motor grader for aggregates. Key stone chips spreader may be used with application of bituminous binder after each layer, and with key aggregates placed on top of the second layer to serve as a base conforming to the line, grades and cross-section specified, the compacted layer thickness being 75mm complete as per specifications. MORTH Specification No. 506	Cum			427.12	7500.00	3203400.00	427.12	3203400.00

Sl. No.	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
20	KSRRB M600-1. Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 150 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. MORTH Specification No. 601	Cum			89.90	3600.00	323640.00	89.90	323640.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
21	KSRRB M600-6. Cement concrete pavement. Construction un- reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with 43 grade cement or any other type as per clause 1051.2.2M20/M30 at 380/450 Kg per cum, coarse and fine aggregate conforming to IS : 383, maximum size of coarse aggregate not exceeding 25mm, mixed in a concrete mixer of not less than 0.6cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a	Cum			125.84	5600.00	704704 ~~704816.00~~	125.84 ~~125.86~~	~~704704~~ ~~704816~~.00
22	Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications	Mtr			374.5 423.40	70.00	26215 29638.00	374.5 423.40	26215 29638.00

No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
23	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No	Sqm			495.21	400.00	198084.00	495.21	198084.00
					TOTAL		~~18479546.60~~		~~18479546.60~~

1. certified that work done Satisfactorily. 18473132=00 18473132=00
2. Certified that there are no defect in worksite.

Asst. Engineer

Asst. Executive Engineer
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ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106